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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/648,774	08/25/2003	Paul A. Knight	ISOT-019	4036
7590 06/16/2005			EXAMINER	
Michael S. Neustel			LU, JIPING	
Suite No. 4 2534 South University Drive			ART UNIT	PAPER NUMBER
Fargo, ND 58103			3749	
			DATE MAILED: 06/16/2009	5

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)				
Office Action Summary		10/648,774	KNIGHT ET AL.				
		Examiner	Art Unit				
		Jiping Lu	3749				
Period fo	The MAILING DATE of this communication ap or Reply	ppears on the cover sh	eet with the correspondence addre	∋ss			
THE - External control	MAILING DATE OF THIS COMMUNICATION. MAILING DATE OF THIS COMMUNICATION. Insions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. In period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period are to reply within the set or extended period for reply will, by stature to reply within the set or extended period for reply will, by stature to reply within the set or extended period for reply will, by stature to reply within the set or extended period for reply will, by stature to reply will, by stature to reply will after the mailing received by the Office later than three months after the mailing reply and part term adjustment. See 37 CFR 1.704(b).	.136(a). In no event, however, ply within the statutory minimur d will apply and will expire SIX (te, cause the application to be	may a reply be timely filed n of thirty (30) days will be considered timely. 6) MONTHS from the mailing date of this commome ABANDONED (35 U.S.C. § 133).	nunication.			
Status							
1)⊠	Responsive to communication(s) filed on 181	March 2005.					
		is action is non-final.					
3)	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
5)⊠ 6)⊠ 7)⊠	Claim(s) 1-16 and 18-35 is/are pending in the 4a) Of the above claim(s) 18 and 19 is/are wit Claim(s) 20-35 is/are allowed. Claim(s) 1,2 and 9 is/are rejected. Claim(s) 3-8 and 10-16 is/are objected to. Claim(s) are subject to restriction and/or	hdrawn from consider					
Applicat	ion Papers						
	The specification is objected to by the Examin						
10)	The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the						
	Replacement drawing sheet(s) including the correct	• • •	•	1 121/d\			
11)	The oath or declaration is objected to by the E						
Priority (under 35 U.S.C. § 119						
a)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureasee the attached detailed Office action for a list	nts have been received nts have been received prity documents have au (PCT Rule 17.2(a))	d. d in Application No been received in this National Sta	age			
Attachmen							
	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948)	4) ∐ Inte Pap	view Summary (PTO-413) er No(s)/Mail Date				
3) 🛛 Infon	mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 or No(s)/Mail Date 3/4/2005.		ce of Informal Patent Application (PTO-15	52)			

DETAILED ACTION

Page 2

Claim Status

1. Claims 1-16, 18-35 are now in the case. Claim 17 is canceled. Claims 18-19 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made without traverse in the reply filed on 7/9/2004.

Allowable Subject Matter

- 2. The indicated allowability of claim 17 is withdrawn in view of the newly discovered reference(s) to Rodi et al. (EP 0297308). Rejections based on the newly cited reference(s) follow.
- 3. Claims 3-8, 10-16 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 4. Claims 20-35 are allowed.

Claim Rejections - 35 USC § 103

- 5. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 6. Claims 1-2, 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Leicht (U.
- S. Pat. 5,181,648) in view of Rodi et al. (EP 0297308).

Application/Control Number: 10/648,774

Art Unit: 3749

Page 3

Leicht shows a dry-wet thermal management system comprising a chassis 101 having a dry chamber 107 and a spray chamber 103, a fan 108 and a spray unit 104 same as claimed. Both chambers are capable of receiving dry or wet card. However, Leicht does not show a plurality of air vents. Rodi et al. show a dry-wet thermal management system comprising a chassis having a dry chamber 1 with a plurality of vents 5 for air flow same as claimed. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the dry chamber of Leicht with a plurality of vents as taught by Rodi et al. in order to facilitate the air flow.

7. Claims 1-2, 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Inaba et al. (JP 56-133544) in view of Rodi et al. (EP 0297308).

Inaba et al. shows a dry-wet thermal management system comprising a chassis having a dry chamber 17 and a spray chamber 16, a fan 24 and a spray unit 21same as claimed. Both chambers are capable of receiving dry or wet card. However, Inaba et al. does not show a plurality of air vents. Rodi et al. show a dry-wet thermal management system comprising a chassis having a dry chamber 1 with a plurality of vents 5 for air flow same as claimed. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the dry chamber of Inaba et al. with a plurality of air vents as taught by Rodi et al. in order to facilitate the air flow.

Art Unit: 3749

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jiping Lu whose telephone number is 571 272 4878. The examiner can normally be reached on Monday-Friday, 9:00 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ira Lazarus can be reached on 571 272-4877. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jiping Lu Primary Examiner

Primary Examiner
Art Unit 3749